



SILENT KNIGHT

5700 Calculations
Version 10.24.14

Global Project Values:

Project Name: 1519 Forest Ave
 Project ID:
 Prepared By: C L'Heureux
 Date: 1/23/2017

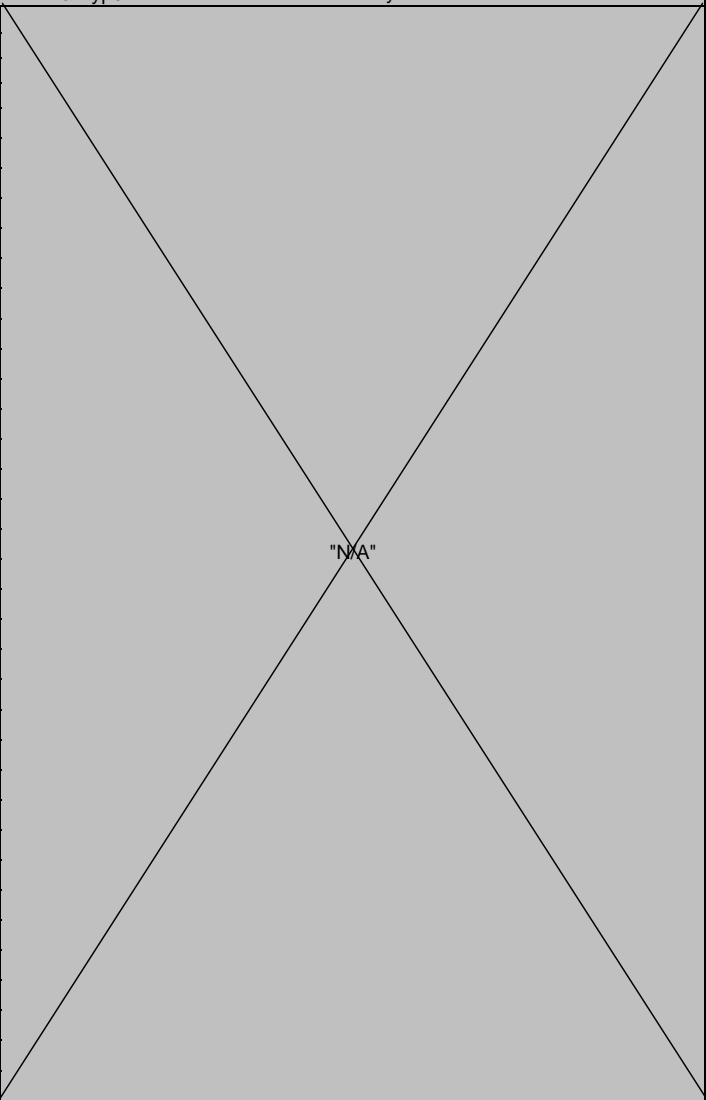
Standby Hours: 24
 Alarm Mins: 5
 Derating Factor: 1.2
 Voltage Drop Warning
 Threshold %: 10

Panel ID: 5700
 Location:

Model: 5700 Add. Fire Alarm Control Panel
 Volts: 24 VDC

Max NAC Current: 2.5 Amps
 Max Panel Current: 2.5 Amps

Ckt.#	Circuit Name	Qty	Current Draw		Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
			Standby	Alarm						
5700	5700 CTRL Panel	1	0.200	0.365						
SK	Photo, Photo-T, PhotoR	1	0.000	0.000						
SK	Ion		0.000	0.000						
SK	Heat, Heat-HT, ROR		0.000	0.000						
SK	Beam, Beam-T		0.000	0.000						
SK	Duct		0.000	0.000						
SK	Acclimate		0.000	0.000						
SK	FIRE-CO		0.000	0.000						
SK	Control		0.000	0.000						
SK	Control-6		0.000	0.000						
SK	RelayMon-2		0.000	0.000						
SK	Monitor, Minimon	1	0.000	0.000						
SK	Monitor-2		0.000	0.000						
SK	Monitor-10		0.000	0.000						
SK	Pull-SA, Pull-DA	5	0.002	0.002						
SK	Relay		0.000	0.000						
SK	Relay-6		0.000	0.000						
SK	Zone		0.000	0.000						
SK	Zone-6		0.000	0.000						
SK	Isolator Module		0.000	0.000						
B224BI	Isolator Base		0.000	0.000						
B200SR	Sounder Base		0.000	0.000						
B200S	Intelligent Sounder Base		0.000	0.000						
B200SR-LF	Low Freq Sounder Base		0.000	0.000						
B200S-LF	Low Freq Sounder Base		0.000	0.000						
B224RB	Relay Base		0.000	0.000						
RTS151	Magnetic Remote Test		0.000	0.000						
RTS151KEY	Key Activated Test		0.000	0.000						
RA100Z	Remote LED		0.000	0.000						
5860	LCD Remote Annunc.		0.000	0.000						
5824	LCD Remote Annunc.		0.000	0.000						
5496	Power Expander		0.000	0.000						
5895XL	Power Expander		0.000	0.000						
5865-3	LED Annunciator (3G)		0.000	0.000						
5865-4	LED Annunciator (4G)		0.000	0.000						
5880	LED Driver Module		0.000	0.000						
5883	Relay Module		0.000	0.000						
NAC #1	Notification Appl Circuit		0.000	0.726	#16 Solid	4.02	110	0.88	19.76	3.15%
NAC #2	Notification Appl Circuit		0.000	0.000	#16 Solid	4.02		0.00	20.40	0.00%
Total Standby Current (Amps)			0.203	1.094	Total Alarm Current (Amps)					
Standby Time In Hours			24	0.083	Alarm Time In Minutes / 60			(5 Mins)		
Total Standby AH Required			4.861	0.091	Total Alarm AH Required					
Total Combined AH Required			4.95							
Multiply By The Derating Factor			1.20							
Minimum Battery AmpHours Required			5.94							



Command Shortcuts

Configure Circuits Print Page